

Discussion for European Particle Physics Strategy Update for (EPPSU)

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**XXVI International Workshop on
Deep-Inelastic Scattering and
Related Subjects (DIS 2018)**

Introduction

- First European Particle Physics Strategy (EPPS)– July 2006.
- First EPPS Update (EPPSU) – May 2013.
- Second EPPSU – planned for May 2020.
- The 2013 EPPSU included 17 statements (see M. Krammer, Phys. Scr. **T158** (2013) 014019).
- **None** of the DIS subjects made it to the EPPSU, in spite of a 24 page document on **Strong Interaction Physics** in the **Physics Briefing Book** (CERN-ESG-005).
- **Unite the DIS community. Present a picture where our projects complement each other → make the 2020 strategy list this time!**

The Panel

Panel

- **Bernd Surrow**, Temple University – EIC
- **Max Klein**, Liverpool University – LHeC
- **Allen Caldwell**, MPI Munich – VHEep
- **David d’Enterria**, CERN – FCC (ee, eh, hh)
- **Jianwei Qiu**, JLAB – QCD Theory
- **Nestor Armestro Perez**, USC – Heavy Ion Theory
(USC - Universidade de Santiago de Compostela)

Conveners

- **Yulia Furletove**, JLAB
- **Christian Schwanenberger**, DESY
- **Bowen Xiao**, Central China Normal University

Goal of discussion

Produce a coherent picture of the merits of science of hadronic matter probed with leptonic beams, stressing the advantages of the proposed projects and their complementarity, in physics and in timeline.

Plan of Action

- Conveners produce summary of discussion today: **the Kobe document.**
- This document serves as a draft for a nominated group of editors from the IAC members.
- The edited 10 page document, produced in the template form suggested by EPPSU, is sent for comments to the whole DIS community.
- Produce a version accepted by all to be submitted to EPPSU by 18 December 2018.

EPPSU Template

February 2018



Contact:
EPPSU-Strategy-Secretariat@cern.ch

Guidelines for submitting input for the 2020 update of the European Strategy for Particle Physics

Cover page (1 page)

Each document submitted should carry a single cover page containing no more than the title, the contact person(s) and an abstract.

Comprehensive overview (maximum 10 pages)

This core part of the document must be no more than 10 pages long (excluding the cover page) and must provide a comprehensive and self-contained overview of the proposed input. It should address:

- scientific context,
- objectives,
- methodology,
- readiness and expected challenges.

EPPSU Template

Addendum

A separate addendum is to be provided addressing the following topics (where relevant):

- interested community,
- timeline,
- construction and operational costs (if applicable),
- computing requirements.

Format and deadline for submission

The cover page and the comprehensive overview are to be submitted as a single file, the “main document”, in portable document format (pdf) by 18 December 2018. The addendum is to be submitted as a separate file by the same deadline. A dedicated submission portal will be available on the EPPSU website as of October 2018, once the Strategy update has been formally launched by the Council at its September 2018 Session. The link to the EPPSU website will appear on the CERN Council’s web pages - <https://council.web.cern.ch/en> - and be widely communicated through the appropriate channels.

Distribution

Both documents submitted (main and addendum) will be passed on to the Physics Preparatory Group (PPG) and the European Strategy Group (ESG). Unless explicitly requested otherwise, they will also be made public. The option not to make either document public will be available upon submission via the dedicated portal.

Message

- **We are a community studying some very basic issues.**
- **We are not competing; we complement each other.**
- **We are a united community.**